

BI MD during block 4

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MD overview (draft)

SYSTEM	Time	AIM
BPM	1h30 @ 450 GeV	<ul style="list-style-type: none"> – studies on the BPM geometrical linearization coefficients for some pickups. – more studies about the BPMSW directivity effect, this time with beams of different intensities.
BLM	1h inj & dump	<ul style="list-style-type: none"> – Finish calibration of the direct dump BLMs located downstream of the TCDQs and TCSGs in IP6
BSRT	Minimum 1h @ 450h and 1h @ 3500	<ul style="list-style-type: none"> – Absolute magnification during closed orbit bumps – Focusing studies – Calibration vs WS, particularly B1 at 3.5 TeV
LDM	Mostly in parallel to BSRT	<ul style="list-style-type: none"> – Monitor response to bunches with different emittances
Matching Monitor	1h inj & dump B1	<ul style="list-style-type: none"> – Tests if timing ok and enough signal
SCHOTTKY, WS		<ul style="list-style-type: none"> – Parasitic studies, cross check with BGI and BSRT
BGI	24 bunches to be ramped, as much as possible in parallel to BSRT	<ul style="list-style-type: none"> – Signal/noise vs intensity vs gas pressure

Beam Types

- The particular beam types to be defined
- Not sure will ask scraping high intensity bunches this time
- For sure we will request variable emittances
 - Can do this time with LHC transverse damper ?